

From boatanchors@theporch.com Fri May 19 19:16:37 1995  
Date: Fri, 19 May 1995 14:16:37 -0500  
Message-Id: <v0211011babe28fdc4d64@[140.243.30.128]>  
From: steve@hi.com (Steve Byan)  
Subject: 1L6's

I stopped by at Linear Electronics here in Waltham at lunchtime to buy some replacements for the paper bypass caps in the HP651A test oscillator that I'm repairing. I was amused when they came back with some new-old-stock Sprague Vitamin-Q's! We got to talking about how they have all this old-technology stock (a shelf behind the counter is filled with boxes of old Thordarson transformers).

While we were chatting, some fellow came in to pick up some 74141's, which are TTL Nixie tube drivers. Said he couldn't find 'em anywhere else.

Anyway, I happened to ask about 1L6's. "Sure, we got them. Just got in a new supply last week." If you're in the Boston area, you might want to pay them a visit. I don't know if they'll take a mail-order or not; it might be worth a phone call.

Linear Electronics  
109 Hammond Street  
Waltham, MA  
(617) 894-7300

Just a satisfied customer.

Regards,  
-Steve

Steve Byan	internet: steve@hi.com
Hitachi Computer Products (America), Inc.	
1601 Trapelo Road	phone: (617) 890-0444
Waltham, MA 02154	FAX: (617) 890-4998

From boatanchors@theporch.com Fri May 19 14:43:13 1995  
Date: Fri, 19 May 1995 09:43:13 -0500  
Message-Id: <PMX-TERM-2.02-bsm2ee1-thaake-174>  
From: thaake@bsm2ee1.attmail.com (thaake)  
Subject: 390 PARTS

Terry O'Laughlin

Terry,

I would like one of your 390 IF assemblies for the filters. Also what is the frequency range of the PT0s??

Tim WA0TSY  
thaake@bsm2ee1.atmail.com

From boatanchors@theporch.com Fri May 19 22:12:08 1995  
Date: Fri, 19 May 1995 17:12:08 -0500  
Message-Id: <107604@w5ddl.aara.org>  
From: n5off@w5ddl.aara.org  
Subject: 390/390A How to Tell by Looking

In reply to the question about the BA's in QST.

The easiest way to tell a 390 from a 390A is to look on the tag ;-) but you knew that.

What if the tags are missing?

On the 390A above the location of where the tag should be you will find the ant trim knob. This knob is off on the side on the 390's.

Also, the function switch on the 390 has a squelch position while this was an option on the 390A.

Otherwise, from the outside, they look pretty close to each other.

73 de tom

From boatanchors@theporch.com Fri May 19 13:58:28 1995  
Date: Fri, 19 May 1995 08:58:28 -0500  
Message-Id: <199505191355.IAA15291@uro.theporch.com>  
From: detschel@VNET.IBM.COM  
Subject: 5867A's

Anybody familiar with the Amperex 5867A tube? I beleive these are broadcast pulls. Can anyone point me to data on them and / or is anybody interested in them - who could use them for something? (have 2 of them).

TNX and 73  
Bill N2IPK

From boatanchors@theporch.com Fri May 19 15:00:18 1995  
Date: Fri, 19 May 1995 10:00:18 -0500  
Message-Id: <"Macintosh \*/PRMD=MOT/ADMD=MOT/C=US/"@MHS>  
From: William\_Sievers-LWS005@email.mot.com  
Subject: 6AJ5 vs. 6AK5

Some years ago a fellow I talked to on 20 meters (W5CSB in El Paso) mentioned to me that in the Collins 51J3 and...J4, a 6AJ5 could be substituted for the 6AK5 for a better noise figure. Has anyone out there in BA land ever heard of this and/or had any experience with this substitute in this receiver?

73,  
Bill Sievers  
KC1HP

From boatanchors@theporch.com Fri May 19 20:41:42 1995  
Date: Fri, 19 May 1995 15:41:42 -0500  
Message-Id: <9505191608.D6078yK@ccsnet.com>  
From: jtovet@ccsnet.com  
Subject: <None>

In:uunet!theporch.com!boa,  
unsubscribe

---

\* UniQWK v3.3a\* The Windows Mail Reader

From boatanchors@theporch.com Fri May 19 11:48:05 1995  
Date: Fri, 19 May 1995 06:48:05 -0500  
Message-Id: <Chameleon.4.00.4.950519064333.grant@nq5t>  
From: gyoungma@gtetel.com  
Subject: RE: BA's in QST

>The larger BA's in QST, p 12 are three each, R-390, and one each, R-390A.  
>They even have covers and (GASP!!) meters!!

>  
>That must be a pretty stout table.  
>  
>73 de tom n5off  
>  
The Hammarlund appears to be an HQ-145 series ... it has the right shape, and the 145 had the clock on the right hand side unlike the 160/170/180.

Grant/NQ5T

From boatanchors@theporch.com Fri May 19 12:53:23 1995  
Date: Fri, 19 May 1995 07:53:23 -0500  
Message-Id: <Chameleon.4.00.4.950519074844.grant@nq5t>  
From: gyoungma@gtetel.com  
Subject: RE: BA's in QST

>re:Clocks on...  
>>right hand side unlike the 160/170/180.  
>  
> Hi, Grant. Are you certain the HQ-160 offered a clock option? This  
>is THE receiver of my youth that I eventually wish to own again, and I  
>follow them whenever one is sighted (which is rare). I've never heard of  
>such an option for the 160. Please correct me.  
> regards,  
> --Paul/KB1AOC  
>  
>

No ... I'm not at all certain. Probably just extrapolated too far :-)

The only photo I have of the 160 isn't that clear, and I've never seen one face to face.

The only one I can find a picture of that has the right form factor and with the clock on the right, though, is the 145/145X/145A.

Couple of fellows I've talked to that own 160's seem to prefer them to the 180 for AM ops. Guess it has to do with a wider IF bandwidth (??).

Grant/NQ5T

From boatanchors@theporch.com Sat May 20 05:18:00 1995  
Date: Sat, 20 May 1995 00:18:00 -0500  
Message-Id: <Pine.3.89.9505192220.A7517-01000000@netcom3>  
From: "Hal R. Waite" <halwaite@netcom.com>  
Subject: Re: BA's in QST

On Thu, 18 May 1995 n5off@w5ddl.aara.org wrote:

> The larger BA's in QST, p 12 are three each, R-390, and one each, R-390A.  
> They even have covers and (GASP!!) meters!!

Three years ago I visited Vietnam and went through the basement in the "Reunification Hall". It was fascinating and absolutely spooky. Several rooms of BA military gear (most of which I could not identify), kitchen, battle maps, etc. left exactly as found on April 30, 1975. It is a slice out of time and worth a visit if you are in Saigon.

If you go, don't miss Hue and Hanoi.

Hal K4GFI/7 halwaite@netcom.com

From boatanchors@theporch.com Sat May 20 03:07:44 1995  
Date: Fri, 19 May 1995 22:07:44 -0500  
Message-Id: <F5JM0353.F5JM0404@mail.admin.wisc.edu>  
From: TOM.A.ADAMS@mail.admin.wisc.edu  
Subject: BAs Coming up on PBS

to: boatanchors@theporch.com

Anchorites,

Keep an eye TV Guide's listings for your local PBS station. Right now, I'm watching an advance feed for a program that your station is probably taping right now for airing in the next few weeks.

Check out "The Men Who Sailed the Liberty Ships". Not only is it a damned fine documentary, about 44 minutes in you'll get about 30 seconds of a Liberty Ship radio shack. I'm surprised that I didn't see ANY gear that was in the

least familiar to me! To a BA aficionado, that's a humblin' experience.

73's,

Tom, K9TA

From boatanchors@theporch.com Sat May 20 04:00:16 1995  
Date: Fri, 19 May 1995 23:00:16 -0500  
Message-Id: <199505200357.VAA29270@kitsune.swcp.com>  
From: dpride@swcp.com (David Pridemore)  
Subject: Beitman Manuals

For all you BA fiends:

I have the following Beitman Manuals for sale. They are the original issue - not copies:

1926-1938  
1939  
1940  
1941  
1942  
1946  
1947

and - Simplified Radio Servicing by Comparison Method by M.N. Beitman

For all who do not know: The titles will read:

Most Often Needed (year) Radio Diagrams and Servicing Information. That is, they contain the schematics for some of the more popular radios during the year noted.

Please email with your offers/comments. If you happen to know the value of these - I would sure appreciate your comments.

Thanks

David de NORA

From boatanchors@theporch.com Sat May 20 06:19:24 1995  
Date: Sat, 20 May 1995 01:19:24 -0500  
Message-Id: <m0sChpX-003BEyC@moon.earthlink.net>  
From: jlb@earthlink.net  
Subject: Capacitance meter

Does anyone have for sale or know where I can find a "Capacitance meter model 520 made by Ballantine Labs in Boonton N.J.?

Also is General Radio still in business? I remember them being located somewhere in Mass. Does anyone have an address for them?

My Thanks to all who responded to my posting regarding "quality parts and dealers."

I will post the results of the suggested testing in later posts.

Thanks again,  
Joe AA6WG

From boatanchors@theporch.com Fri May 19 13:56:34 1995  
Date: Fri, 19 May 1995 08:56:34 -0500  
Message-Id: <Pine.3.89.9505190837.A1815-0100000@ozarks>  
From: "C. Frank Gilmore" <fgilmore@ozarks.sgcl.lib.mo.us>  
Subject: Re: Crystals?

On Thu, 18 May 1995, Tony Stalls wrote:

> I ordered several FT-243's from CW Crystals for use with my Viking II a  
> year or so ago and found them to all be off frequency. Also, it took a  
> good while to get them. However, for the money, you can't go wrong and he  
> included a bunch of circuits for crystal oscillators and transmitters.  
> You can probably touch up the crystals a bit by either making pencil marks  
> on the wafers, or taking a slight bit off with the eraser.  
>

I live just down the road from the operation (which is not open to the public) and we joke about it quite a bit around here. If you get a crystal on frequency someone must have been having a bad day. Some fellows report waiting up to eight weeks for a crystal.

I would rather pay a bit more and go with JAN. Am sorry to hear they have increased the price so drastically on FT-243s. When WRL closed I bought their entire stock of P-R crystals (the best ever made) and after peddling a few at my store and hamfests I sold about five hundred to a guy who has hoarded them away. Knew I was making a big mistake....what did I pay for them???? \$.30 each. They were selling for \$3.00 at the time and my dealers cost was about \$2.25. Another dumb mistake.

73,

Frank

de K0JPJ ex-W5PVX ...-.-

From boatanchors@theporch.com Fri May 19 14:12:53 1995  
Date: Fri, 19 May 1995 09:12:53 -0500  
Message-Id: <Pine.BSI.3.91.950519100130.821F-1000000@laurel.us.net>  
From: Tony Stalls <ras@us.net>  
Subject: Re: Crystals?

Hi Frank,

> I live just down the road from the operation (which is not open to the  
> public) and we joke about it quite a bit around here. If you get a  
> crystal on frequency someone must have been having a bad day. Some fellows  
> report waiting up to eight weeks for a crystal.

It seems it was almost as long for me. Too bad that my off-frequency  
experience with CW Crystals is the norm. Oh well... They are cheap and  
maybe a little tweaking is worth the difference and the wait. Maybe not.

> I would rather pay a bit more and go with JAN. Am sorry to hear they  
> have increasd the price so drastically on FT-243s.

That does sound a bit of an outrageous price. I just got their brochure  
and was surprised to find out how much they cost. Rocks for my Motracs  
are now \$17 each, or \$34 for a pair.

> When WRL closed I bought their entire stock of P-R crystals (the best  
> ever made) and after peddling a few at my store and hamfests I sold about  
> five hundred to a guy who has hoarded them away. Knew I was making a big  
> mistake....what did I pay for them???? \$.30 each. They were selling for  
> \$3.00 at the time and my dealers cost was about \$2.25. Another dumb  
> mistake.

If hindsight were foresight, we'd all be millionaires. ;-) Anyway, I  
think Petersen is still in business, but prices are a bit above the \$3  
now of course.

73,

Tony  
K4KY0



From boatanchors@theporch.com Fri May 19 21:41:23 1995  
Date: Fri, 19 May 1995 16:41:23 -0500  
Message-Id: <199505192138.QAA17508@uro.theporch.com>  
From: Jack Taylor <n7oo@hereford.ampr.org>  
Subject: FS HP 141B O'scope

Ray Morgan's offer of a scope plug-in reminded me that I had a scope that hasn't been used for awhile. It is a HP-141B with the two necessary plug-in's, the 1402A Dual Trace Amplifier and 1421A Time Base and Delay Generator.

The scope features:

- \* Rugged variable persistence/storage CRT
- \* Convenient beam finder
- \* 5 mV/dv to 20 MHz
- \* Dual channel
- \* Automatic triggering
- \* Delayed and mixed sweep

All-in-all, a heck of a nice general purpose/storage scope at a heck of a decent price, \$100 plus shipping from Aridzona.

73 de Jack

From boatanchors@theporch.com Fri May 19 20:22:18 1995  
Date: Fri, 19 May 1995 15:22:18 -0500  
Message-Id: <9505192019.AA03907@speckle.ncsl.nist.gov>  
From: morgan@speckle.ncsl.nist.gov (Roy Morgan)  
Subject: FS: Scope Sweep Plug-in MX-2962

Anchorites ALERT! A rare bargain:

For Sale:

MX-2962/USM Variable Time Delay Generator

New In Box, with manual.

for: AN/USM-105, -139, -146, and -141 oscilloscopes.

Horizontal profile plug-in, tubes, made by Hickock in the manner of Tektronix.

1 Second/cm to 2 uSec/cm, triggering included.

\$25 UPS shipping included.

-- Roy --

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899  
(National Institute of Standards and Technology, formerly NBS)  
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov  
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From boatanchors@theporch.com Fri May 19 12:55:11 1995  
Date: Fri, 19 May 1995 07:55:11 -0500  
Message-Id: <45666.morgan@speckle.ncsl.nist.gov>  
From: "Roy Morgan" <morgan@speckle.ncsl.nist.gov>  
Subject: Fwd: TV Tubes : Act Fast!

----- Forwarded message begins here -----

From: John Dilks <john.dilks@academia.com>  
Path: dove.nist.gov!uunet!europa.chnt.gtegsc.com!howland.reston.ans.net!swrinde!  
news.uh.edu!news.sccsi.com!nuchat!academia!john.dilks  
Date: 12 May 95 09:33:00 GMT  
Subject: TV Tubes : Act Fast!  
To all:

The following is from Kenny Smith. He is a reputable dealer,  
whom I have had business with. He's a good guy. Can anyone help  
him out?

++++  
Anybody want some old picture tubes? I am a distributor & when  
our local CRT rebuilder went out of business a few years ago I  
couldn't bear to let him destroy NOS black & white CRTs from the  
60s mostly. I should have passed, but instead have paid a  
fortune to store these things the passed few years & I think I am  
going to send them to CRT heaven in the next few days. Anyone  
want me to fax them a list of what I have? Or is anyone looking  
for a picture tube? I don't have any 7", 10", Predicta tubes or  
round color tubes. What I do have is about 200 B&W tubes & 60  
color tubes. The color one's are from my own 1980s stock &  
probably not needed by anyone, but the B&W ones will be wanted by  
someone someday.

Reply directly to: Kenny Smith at Compuserve:

70571.1152@compuserve.com

++++

.... 73' John Dilks, K2TQN

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.. 1st 1.11 #3514 . The future isn't what it used to be... Where's the Radio?

----- Forwarded message ends here -----

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Roy -- Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899  
(National Institute of Standards and Technology, formerly NBS)  
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

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From boatanchors@theporch.com Fri May 19 14:06:21 1995  
Date: Fri, 19 May 1995 09:06:21 -0500  
Message-Id: <199505191404.KAA18133@bear.MOTOWN.GE.COM>  
From: "S. Miller" <smiller@motown.ge.com>  
Subject: Hallicrafters and Hammarlund recvrs for sale

I am reposting this for those that are interested:  
I have a friend who has an SX-130 and HQ-170C for sale. I have not seen these units and you can reply direct to the phone number I give for info.  
HQ-170C Good Condition, some main dial slippage \$180.  
SX 130 Good Condition, \$140.  
HE is happy to negotiate/swap/ what have you  
Direct your inquiries to Gene Katz, KC6BLD, @ 609-866-1189

I am still looking for Drake R4C stuff like the Sherwood audio mod stuff/filters and a new PTO for my trusty -4C. Call or e-amil to me direct on these items:  
smiller@motown.ge.com or 609-722-6078  
Thanks

From boatanchors@theporch.com Fri May 19 14:03:30 1995  
Date: Fri, 19 May 1995 09:03:30 -0500  
Message-Id: <2FBCCEB9@vax-flcgr.stpete.honeywell.com>  
From: "Stiles, Bruce T (FL40)" <Tom.Stiles@stpete.honeywell.com>  
Subject: Heath Senera

I am going to show my lack of experience here but here goes....

I picked up a HQ -170AV and a Heath Seneca (sp?) at a garage sale for \$5 each. Since the HQ-170 was a receiver, I have successfully repaired it. The Heath, however, is a 2 meter / 6 meter AM transmitter. The problem is I don't have a clue how to load this animal. It has the following adjustments: Buffer, Multiplier, Final, Coupling and several others. Anyway, if anyone can give me some idea how to load this thing or has a manual for it, I would be greatly appreciative.

BTW the HQ-170 works great. Would love to find a general coverage version of this (HQ-180).

Thanks in advance,

tom.stiles@stpete.honeywell.com

From boatanchors@theporch.com Fri May 19 14:46:10 1995  
Date: Fri, 19 May 1995 09:46:10 -0500  
Message-Id: <9505191443.AA377424@rs2.ccd.harris.com>  
From: dsnowden@ccd.harris.com (Doug Snowden)  
Subject: I've Finally Flipped

I don't post to this group much anymore because I am just getting the digest version. Saves me a lot of email reading. Just thought I'd say hi to the group. I think I'm losing it - last night I had a dream. I was in some sort of surplus store. I was looking around, and on a top shelf way back in a dark corner I spied a dozen or so old military version Zenith TransOceanic receivers. They were nearly mint! Is this a good sign or going bonkers? Well the weekend is coming, so maybe I'll make it.....

73 Doug, N4IJ dsnowden@ccd.harris.com

From boatanchors@theporch.com Fri May 19 14:55:08 1995  
Date: Fri, 19 May 1995 09:55:08 -0500  
Message-Id: <9505191454.AA01586@internet1.lotus.com>  
From: Alan Richer <Alan\_Richer.LOTUS@crd.lotus.com>  
Subject: Re: I've Finally Flipped

From: dsnowden @ ccd.harris.com (Doug Snowden) @ INTERNET  
Date: 05/19/95 09:45:43 AM  
Subject: I've Finally Flipped

>I don't post to this group much anymore because I am just getting the  
>digest version. Saves me a lot of email reading. Just thought I'd say  
>hi to the group. I think I'm losing it - last night I had a dream. I  
>was in some sort of surplus store. I was looking around, and on a top  
>shelf way back in a dark corner I spied a dozen or so old military  
>version Zenith TransOceanic receivers. They were nearly mint! Is this  
>a good sign or going bonkers? Well the weekend is coming, so maybe I'll  
>make it.....

>73 Doug, N4IJ dsnowden@ccd.harris.com

You haven't flipped if:

- 1). you BOUGHT them!
- 2). You sent at least 1 to Padgett.....preferably more.

aj"Must be nuts too...bought a Gonset!"r

From boatanchors@theporch.com Fri May 19 15:16:40 1995  
Date: Fri, 19 May 1995 10:16:40 -0500  
Message-Id: <m0sCTky-000uHXC@twisto.eng.hou.compaq.com>  
From: Dave=Sharp%Legal%Corp=Hou@bangate.compaq.com  
Subject: re: I've Finally Flipped

Naw, You were just dreaming about being in Padgett's shack...

Not as warmly (just in Texas - Not FLA)

Dave

From boatanchors@theporch.com Sat May 20 04:45:32 1995  
Date: Fri, 19 May 1995 23:45:32 -0500  
Message-Id: <9505192341.aa29810@jackatak.theporch.com>  
From: List Admin/Owner BoatAnchor Mail List <listown@jackatak.theporch.com>  
Subject: Mail editor settings

Hey gang-

Maybe it was the tornadoes, maybe just allegries, but somehow a bunch of folks have their editors set with NO line length limits.

Believe me, not everyone has a mailer that likes that kind of text file, and when the messages goes off the right hand side and into the weeds, the impact gets lost, and the enjoy of reading another interesting post can be replaced by a quick rush of annoyance at having to adjust things to read it.

So... would you all please check your settings and narrow things up a tad so we can all enjoy the posts without either painful manipulations, \*OR\* another harangue from me! ;^)

Thanks for doing your best to keep this list the best there is!

--

73 DE Middle Tennessee -- 12 miles due South of Nashville!  
Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)  
- - - BoatAnchor Mailing List Owner - - -  
listown@jackatak.theporch.com-"Plus ca change, plus c'est la meme chose"

From boatanchors@theporch.com Fri May 19 16:36:18 1995  
Date: Fri, 19 May 1995 11:36:18 -0500  
Message-Id: <950519123147\_124366929@aol.com>  
From: JosephWP@aol.com  
Subject: Parting our NC-190

I have a NC-190 that is beyond reasonable repair so I have decided to part it out.

I don't have the power transformer (it has a 220 V unit installed in place of the normal unit), and the front panel is hopelessly bent.

So if you are restoring this beautiful old set and need a part, let me know.

Joseph Pinner +  
Lafayette, LA  
KC5IJD  
EMail: josephwp@aol.com

From boatanchors@theporch.com Fri May 19 12:51:35 1995

PSM-13 20.00 plus shipping  
Military battery checker. Like new with all  
adapters. Tests batteries used with PRC-6, -10,  
-25, 77, PRR-9, PRT-4, etc.

From boatanchors@theporch.com Fri May 19 05:49:42 1995  
Date: Fri, 19 May 1995 00:49:42 -0500  
Message-Id: <m0sCK3N-000Hv1C@beacons.cts.com>  
From: kevin@beacons.cts.com (Kevin Sanders)  
Subject: Re: Quality parts and dealers

I have also had mixed results from VM. The first few manuals I got from them were OK, but the latest one, an Invader 2000, was absolutely awful. Whole sections with every other page missing, alignment so crooked that half the column disappeared off the edge on some pages, etc. I phoned them and complained about it, and was told they had a new hire working on the copies. To their credit, they were extremely prompt about sending a replacement and even sent it Express Mail. The replacement was obviously done by a different person, as it was about 30% thicker (!) than the first one they sent me. I hope their new hire copies a clue sometime soon!

From boatanchors@theporch.com Fri May 19 16:03:58 1995  
Date: Fri, 19 May 1995 11:03:58 -0500  
Message-Id: <9504198008.AA800899447@ccmgate.mti.com>

From: TLeonard@ccmgate.mti.com (Leonard, Tim)  
Subject: Re: Quality parts and dealers

I have had good results from HI manuals. Their catalog requirement is a pain but all of the copies were very readable and the pictures were acceptable.

From boatanchors@theporch.com Fri May 19 16:19:17 1995  
Date: Fri, 19 May 1995 11:19:17 -0500  
Message-Id: <199505191617.MAA09607@altair.cs.unc.edu>  
From: Nick England <nick@cs.unc.edu>  
Subject: Re: R-1307 for sale

Terry mentions having a WRR-3B VLF rcvr in his collection -

Haven't seen one of those in over 20 years. Back then I worked for the Naval Electronics Systems Command and got assigned to investigate severe microphonics problems that the shipyards were getting complaints about. Went down to the shipyard and got a couple of their rejects for testing - put 'em on the vibration and shock machines, tried every kind of shock absorbing mount in the world, different tube manufacturers, etc. Basically WRR-3's didn't seem any worse than any other VLF rcvr. Finally I just had to recommend that, on board aircraft carriers, the shipyard start mounting WRR-3's someplace other than directly below the catapult...

Nick KD4CPL

From boatanchors@theporch.com Sat May 20 05:27:45 1995  
Date: Sat, 20 May 1995 00:27:45 -0500  
Message-Id: <9505200523.AA23868@tedb>  
From: Jim Specht <specht@test.rb.unisys.com>  
Subject: R-390A Gear Cleaning

I would like to get some ideas on how to clean the gear train on the R-390A receiver....what methods/chemicals etc. Also, what lubricant would be best. Thanks in advance.

From boatanchors@theporch.com Fri May 19 20:06:29 1995  
Date: Fri, 19 May 1995 15:06:29 -0500  
Message-Id: <9505191945.AA02136@uvs1.orl.mmc.com>  
From: padgett@tccslr.dnet.mmc.com (A. Padgett Peterson, P.E. Information Security)



Subject: R-520

Kevin asked but the VAX said "Returned mail: Cannot send message for 1 day" (get that a lot from military sites) so am inflicting the group:

>What is so special about the R-520 (what is it?) that you  
>want/need one?

In 1954 the Signal Corps bought several thousand specially made Zenith TransOceanics (modified H-500s) and gave them the designation R-520/URR. In 1956, a second buy was made of an R-600 variant that was designated R-520A/URR. There are some indications that there was yet another special military T0 made in the 1958-1962 timeframe but I have not yet tracked that one down.

It is my understanding that many wound up in the USO and could be "checked out" for R&R periods, others were common fixtures in CO's offices.

Since I collect T0s (as with my Pontiacs, I realize there are other great examples, just do not have one of each interesting model of my specialty yet), these are my current "most wanted".

Warmly,  
Padgett

ps might also mention that I have just acquired a nice copy of "TM11-877... Department of the Army Technical Manual" - 132 pages mostly of the most detailed circuit description, theory, and troubleshooting info I have ever seen for the T/O, most of which is applicable to all miniature tube models (G-500 of 1949 to last B-600 of 1962) & since my understanding is that Gov docs can be reproduced freely, am thinking about having some 8 1/2x11 copies made (easier on my eyes than this ~ 4"x6" version). Is anyone interested, know if I need permission, & if so, who to ask ?

pps not sure if it made it to the group but re: that 6CS6 someone was having trouble testing on a TV-7. Looking at my Hickok roll chart & comparing with the AES TV-7 book, it looks like the TV-7 settings are wrong, probably just for the grid 3 test. If the grid 1 test works OK, I suggest trying ET1-5627, bias 0, range B, hold down 2 & push 3, reading expected 12. (6.3 filament).

From boatanchors@theporch.com Sat May 20 02:51:50 1995

Date: Fri, 19 May 1995 21:51:50 -0500

Message-Id: <Pine.SUN.3.91.950519194425.15973B-100000@crl5.crl.com>

From: Steven Wilson <randyw@crl.com>

Subject: R390A what is one worth ?

I see a lot of info about the R390's on the list. What is a working R390 or 390a worth that is complete ?

I have a NC-98 with speaker and S-20R as trading material.

de stan ak0b e-mail via randyw@crl.com

From boatanchors@theporch.com Fri May 19 22:50:18 1995  
Date: Fri, 19 May 1995 17:50:18 -0500  
Message-Id: <9505192247.AA05550@speckle.ncsl.nist.gov>  
From: morgan@speckle.ncsl.nist.gov (Roy Morgan)  
Subject: Scope Sweep Plug-in MX-2962 SOLD

Anchorites:

The MX-2962/USM Variable Time Delay Generator has been sold.

-- Roy --  
Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899  
(National Institute of Standards and Technology, formerly NBS)  
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov  
---

From boatanchors@theporch.com Fri May 19 12:16:48 1995  
Date: Fri, 19 May 1995 07:16:48 -0500  
Message-Id: <199505191215.IAA18022@bear.MOTOWN.GE.COM>  
From: "S. Miller" <smiller@motown.ge.com>  
Subject: Sherwoods phone #

I can't seem to locate my last Sherwood (of R4-C modification fame) catalog. Does anyone have the phone number handy?

Thanks

Steve KD2ED, smiller@motowon.ge.com

From boatanchors@theporch.com Fri May 19 14:38:18 1995  
Date: Fri, 19 May 1995 09:38:18 -0500  
Message-Id: <2277957634B@sbii.sb2.pdx.edu>  
From: RANDY@sbii.sb2.pdx.edu

Subject: Re: Sherwoods phone #

Dear Steve,

I have this listing in my files for Sherwood:

Sherwood Engineering  
1288 South Ogden St.  
Denver, CO 80210

303-722-2257  
303-744-8876 (fax)

Gd luk,

=Randy=  
WB6MAI

From boatanchors@theporch.com Fri May 19 13:27:21 1995  
Date: Fri, 19 May 1995 08:27:21 -0500  
Message-Id: <9505191314.AA29931@uvs1.orl.mmc.com>  
From: padgett@tccslr.dnet.mmc.com (A. Padgett Peterson, P.E. Information Security)  
Subject: Re: TCS-8

>Get someone to talk  
>about how the sinking of USS INDIANAPOLIS in the last days of the war led  
>to installation of this great rig on all Naval ships as an emergency  
>radio.

The Great Shark Feast was not a result of a lack of good comm, it stemmed from the secrecy surrounding the delivery of a certain atomic device that had everyone thinking the Indy was somewhere else. Back in the dimmer synaps is the recollection that it was torpedoed in the wee-wee hours and went down fairly quickly. An emergency message was sent and received but the confusion occured because it was sent in the clear and management decided that we did not have a ship in the vicinity so it musta have been a Japanese attempt to lure rescue ships into a remote area.

(Might be rong, was a while ago - do remember a book "The Devil's Voyage" by Jack Chalker on the subject - think I have it \*somewhere\*)

Warmly.  
Padgett

From boatanchors@theporch.com Fri May 19 14:24:13 1995  
Date: Fri, 19 May 1995 09:24:13 -0500  
Message-Id: <199505191422.HAA03174@ix5.ix.netcom.com>  
From: w0ogh@ix.netcom.com (Larry Godek)  
Subject: TCS-8

Along with Padgett's remarks on the Indianapolis, In this moths issue of \*WWII\* is an excellent artical including pix of said ship. Artist drawings (kinda) of what they think she looked like when she went down after the torpedos hit. Bad scene

Larry W00GH

Not radio related of course, but kinda relevant ??? please

From boatanchors@theporch.com Fri May 19 12:32:30 1995  
Date: Fri, 19 May 1995 07:32:30 -0500  
Message-Id: <199505191230.IAA07183@service1.uky.edu>  
From: wlfuqu00@service1.uky.edu (Bill Fuqua)  
Subject: Trade T300 for 250TH

I have some graphite plate T300 tubes that I would like to trade for some 250TH's. If interested let me know. These have a larger cut-off voltage than a 250th and would be great for Push Pull class C amp.

Also interested in 450th's if I can work out a trade. 2 for 1 ?

73  
Bill ko4www

William L. Fuqua III P.E.  
Department of Physics and Astronomy  
CP-177 Chem. Phys. Bldg.  
University of Kentucky  
Lexington, Ky 40506-0055  
E-mail WLFUQU00@POP.UKY.EDU  
Phone (606) 257-4155

From boatanchors@theporch.com Fri May 19 06:37:15 1995

Date: Fri, 19 May 1995 01:37:15 -0500  
Message-Id: <199505190635.XAA04409@netcom18.netcom.com>  
From: jlyle@netcom.com (Jim Lyle)  
Subject: Troubleshooting help needed (the plot thickens...)

Hello;

I'm STILL trying to get the phantom signals out of my Magnavox console. My last message resulted in a lot of helpful suggestions, and I'm much further along. I'm stuck though and need some more help.

The radio seems to work, except that between 7-9 Mhz it gets quiet, and I find these narrow "phantom" signals.

Henry Van Cleef thought this was due to parasitic oscillation, and he appears to be correct. I believe I've narrowed the problem down to the vicinity of the 6SA7 mixer. I think this because:

- 1) Putting THIS tube in a test adaptor shifts the problem frequencies.
- 2) Putting a scope on pin 8 of this tube eliminates the problem (and reduces the radio's sensitivity).
- 3) I can see the parasitic oscillations on the scope, most noticeably around this tube.
- 4) I can hear the oscillations on another radio tuned to the same frequency.

Does that seem like a reasonable conclusion?

Tracing the problem, I believe G2/G4 (effectively the screen) supply is resonating in the frequency range in question. I can see ALL KINDS of high frequency noise on this pin when the problems occur. In turn, I believe this is coupling (via interelectrode capacitance) to Grid 3, from there into the AVC circuit, and all over the place from there.

I tried tacking on a bleeder resistor and bypass capacitor to the G2/G4 supply, but with very little effect. Could resonance there really be the cause, or is it just another effect?

I'm really stumped on this one, and could use some help. If you have any suggestions, please let me know.

--

Jim Lyle jlyle@netcom.COM  
Troubador Technologies  
Consulting Services

(408) 247-4199

From boatanchors@theporch.com Fri May 19 10:02:10 1995  
Date: Fri, 19 May 1995 05:02:10 -0500  
Message-Id: <199505191000.FAA16894@zoom.bga.com>  
From: Henry van Cleef <vancleef@bga.com>  
Subject: Re: Troubleshooting help needed (the plot thickens...)

As Jim Lyle said

>  
> Hello;  
>  
> Henry Van Cleef thought this was due to parasitic oscillation, and he  
> appears to be correct. I believe I've narrowed the problem down to the  
> vicinity of the 6SA7 mixer. I think this because:  
>  
> 1) Putting THIS tube in a test adaptor shifts the problem frequencies.  
>  
> 2) Putting a scope on pin 8 of this tube eliminates the problem (and  
> reduces the radio's sensitivity).  
>  
> 3) I can see the parasitic oscillations on the scope, most noticeably  
> around this tube.  
>  
> 4) I can hear the oscillations on another radio tuned to the same  
> frequency.  
>  
> Does that seem like a reasonable conclusion?

Jim: Have you looked at the parasitic suppressors in the grid circuits for the RF amplifier and the converter signal grid? You are describing the full set of symptoms I had on my Magnavox set, which I traced down to the parasitic stopper in the RF amplifier grid circuit. All Magnavoxes have a parallel RC in both these grids, though the values of the components vary some (and my set uses a 6SB7Y converter, which is much "hotter" than a 6SA7). Factory values in my set were 6200 pf with 250K across it.

>  
> Tracing the problem, I believe G2/G4 (effectively the screen) supply is  
> resonating in the frequency range in question. I can see ALL KINDS of  
> high frequency noise on this pin when the problems occur. In turn, I believe  
> this is coupling (via interelectrode capacitance) to Grid 3, from there  
> into the AVC circuit, and all over the place from there.

Yes, the converter screen (which has a fairly large series voltage-dropping resistor) will go crazy if there are parasitics anywhere in the first two stages. Try pulling the RF tube out of the radio---if this makes the parasitic go away, it is entering through the

RF amplifier, and all you are seeing in the converter stage is the effects of the signal grid being driven many volts where it normally sees a few millivolts at most.

>

> I tried tacking on a bleeder resistor and bypass capacitor to the G2/G4  
> supply, but with very little effect. Could resonance there really be the  
> cause, or is it just another effect?

>

Start at the antenna circuit. If jumping the antenna leads together shuts things up, then the problem is in the RF amplifier grid circuit. On my set, putting my hand near the antenna coil would stop the oscillations.

On the AVC circuit, make sure that the 2.2 and 4.7 megohm resistors are really 2.2 and 4.7 megohms. Take a clip lead, ground one end of it, put a .01 mylar on the other end, and touch points in the circuits with it. I did clear a parasitic in an RME-45 by discovering that the AVC bus wanted to be bypassed on the AVC side of a decoupling resistor that had a .01 on the other side of it. You can touch anything you want with that .01 cap safely.

However, I think you will find that the key to parasitics in a Magnavox set is those two stopper RC's----simply replace them and work from there.

--

\*\*\*\*\*  
Hank van Cleef vancleef@bga.com vancleef@tmn.com  
\*\*\*\*\*

From boatanchors@theporch.com Fri May 19 13:08:08 1995  
Date: Fri, 19 May 1995 08:08:08 -0500  
Message-Id: <9505191119.AA09801@mirage>  
From: mirage!pamars@uhura.neoucom.EDU (P.A.Marshall)  
Subject: Re: Tube Prices and AES

KD0HG@aol.com writes:

>

> I think the traditional tube pricing policy of Fair Radio is a heck of a  
> lot more sane- you want a common 7 or 9 pin receiving tube? They're all  
> one price- you want a common octal? they're all \$3.50. None of this \$7.21,  
> \$5.26, or \$6.47 garbage.

>

Yep, I think this is a well made point, to my mind Fair Radio lives up to the name. There may be items I feel are over priced (lower prices don't

bother me at all, of course), but you don't see them jerking prices around as one item or another becomes a 'hot item'.

Maybe it's best if we don't talk about 'em too much, don't want every one to start snapping up all those tubes :-)

Al Marshall "Real Radios Glow in the Dark" almarshall@acm.org

"You road I enter upon and look around, I believe  
you are not all that is here,  
I believe that much unseen is also here."

From boatanchors@theporch.com Fri May 19 22:08:33 1995  
Date: Fri, 19 May 1995 17:08:33 -0500  
Message-Id: <2FBD02DD@sharkgate.sandiegoca.attgis.com>  
From: "Kenan, Larry" <llk@sandshark.sandiegoca.attgis.com>  
Subject: RE: Tube Prices and AES

>From: KD0HG  
>The comments by Deane, VE6BP0 about Quest Electronics and Antique  
Electronic  
>Supply brought to mind a gripe-- how is it that virtually every tube seller  
>uses the AES tube prices as a baseline of "value".  
...

When AES first started business, about 1982, they were using the 1957 RCA retail price list. Ah - the good old days.

Larry Kenan - K06SM

From boatanchors@theporch.com Fri May 19 14:40:37 1995  
Date: Fri, 19 May 1995 09:40:37 -0500  
Message-Id: <950519102829\_124471503@aol.com>  
From: StuSanders@aol.com  
Subject: Vacuum Tube Noise Figure

Was wondering if other people experience this: HF tube gear exhibits poor S/N above 14 MHz when receiving. ALL of the rcvrs I've owned did this (R-392, Drake TR-3, ARC's, BC-3XX, etc.). For my amazement, I built a common-cathode TPTG amp with a 6J6 with neutralization (20 MHz), matched into 50 ohms on I/O, and did a NF measurement using the HP meter at work. It was about 20 dB. Now I have this bone to find out what is the expected NF of



various tubes used for RF amps (6AK5, 6AU6, 6K7, 6C4) and what limits this. Is the hot cathode the culprit? Is there a parameter like min. noise S11 for tubes? If someone has an article on this I would like to get it.

From boatanchors@theporch.com Fri May 19 23:29:03 1995  
Date: Fri, 19 May 1995 18:29:03 -0500  
Message-Id: <F5JI2511.F5JI2524@mail.admin.wisc.edu>  
From: TOM.A.ADAMS@mail.admin.wisc.edu  
Subject: WRR-3 strangeness

to: boatanchors@theporch.com

Hello Nick.

First off, thanks for the VF-1. It works OK with my Knight T-50, just like it's stablemate did 30 years ago. Hope the CA-1 fulfills your expectations.

On the main subject, the R-1134/WRR-3:

I'm kinda glad to run into somebody who dealt with 'em in thier original military context. I too have one (Terry and I are both hard core VLF radio freeks), but a no suffix (not a B).

To me, it's always seemed that when the RF gain control is cranked up the radio's internal noise level increases much faster than the signal strength does, almost as if one of the stages being controlled is on the verge of self oscillation. The result is an overall degradation of the set's S/N ratio. I thought it was just MY set that did this, but Terry's seems to pull the same stunt, so I concluded it's just a quirk of the WRR-3 design.

The effect is readily observable by listening to the audio noise level when the radio has no antenna connected and the input is terminated. Suddenly turning up the RF gain will cause a MAJOR increase in audio noise, mostly in about the last quarter of RF gain rotation.

The lack of this sort of action in the R-389 is one of the things that makes it so much superior to the WRR-3, IMHO.

In your experience with WRR-3 did you note any such quirk, or do my radio and Terry's both have a problem?

73's,

Tom, K9TA

From boatanchors@theporch.com Fri May 19 15:45:07 1995  
Date: Fri, 19 May 1995 10:45:07 -0500  
Message-Id: <m0sCUDK-0010dSC@spider.lloyd.com>  
From: jml@spider.lloyd.com (Jim Lockwood)  
Subject: WTB: Heath Apache/Mohawk/Warrior/Marauder cabinet

The subject line pretty well says it all, except.... what I'm looking for needs to be in pretty nice cosmetic condition. No dents, no rust, no chips, and precious few scratches.

Anybody out there got one of these that fits my description and that needs a new home?

Thanks and 73,

Jim - km6nk